



Citizens Coordinating Council Committee Meeting

May 24, 2023

Purpose of the CCC (as proposed in 1998)

- To serve as a vehicle for community involvement in the implementation of the settlement agreement between GE/Pittsfield and the government.
- To be a mechanism to ensure that all parties to the negotiated agreement are able to honor their commitment to listen to, to learn from, and incorporate the ideas and concerns of the community to the greatest extent possible.
- To enable representatives of diverse interests in the region to communicate with each other, and to provide community input and structured feedback to GE and the government.

Meeting Procedures

- The CCC is not a negotiating forum. Community input and information exchange will be the focus of meetings.
- CCC meetings are open to the public and the press.
- Meetings will be facilitated, and meeting highlights will be drafted by the facilitator and posted on the website for the remediation project.

Roles & Responsibilities of Members

Members are expected to:

- Strive to attend all meetings or send an alternate.
- Bring concerns and information from constituencies to CCC meetings. This assumes checking in with them before and after meetings.
- Accept that each constituency is one segment of the larger community, and that all views are important to include in the dialogue.

Roles & Responsibilities of Members

Continued

Members are expected to:

- Maintain and act with respect in meetings, defined as treating every individual, including those you disagree with, in a way that:
 - **Gives them the benefit of the doubt,**
 - **Does not start with the presumption of negative motives,**
 - **Avoids accusations, and**
 - **Is consistent with how you would want to be treated.**

TAG Grant Recipient Update



EPA Presentation

EPA Team Introductions

Project Managers:

Dean Tagliaferro, Anni Loughlin, Rich Fisher,
Chris Smith, Josh Fontaine, Alex Carli-Dorsey

EPA Site Attorneys:

John Kilborn & Tim Conway

Community Involvement Contacts:

Kelsey Dumville & Ashlin Brooks

Agenda

- General Electric Building 12 & 14 Complexes Demolition, Disposition, and Restoration Work Plan
- Overview of Rest of River Clean-up – When and Where
- Upland Disposal Facility Conceptual Design Plan & Pre-Design Investigation Data Summary Report
- Public Outreach & Rest of River Documents for Public Input

General Electric's Buildings 12 & 14 Complexes Demo Plan

- Located in East St Area 2-North Remedial Action Area
- Actual building demolition under City and State jurisdiction, with consolidation pursuant to Consent Decree
- Submitted to EPA on December 23, 2022
- Conditionally approved by EPA on Jan 1, 2023
- Supplemental information package with contractor work plans, monitoring requirements, and restoration details anticipated in June 2023
- Work anticipated in Summer/Fall 2023

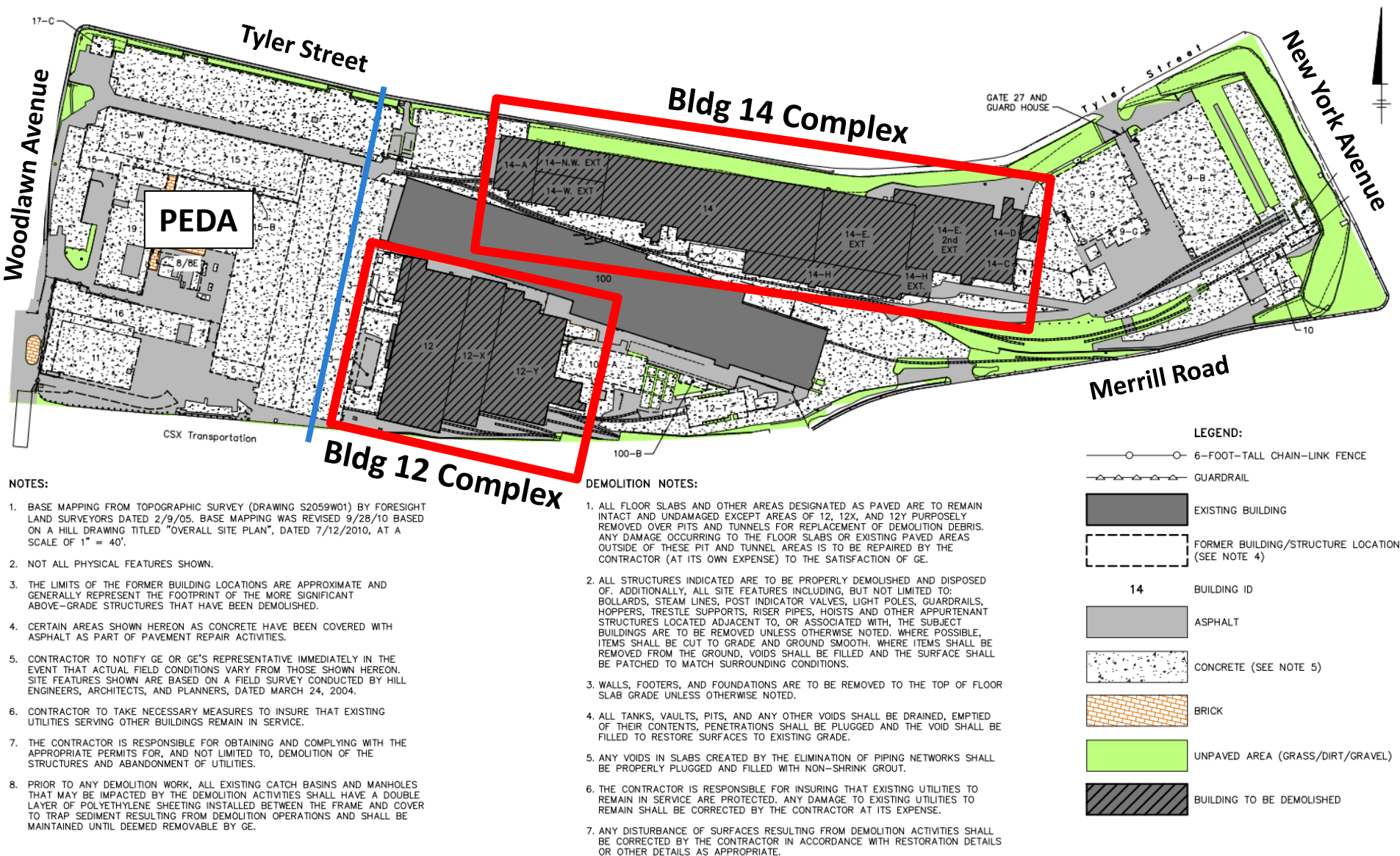
Building 12 Complex



Building 14 Complex



Buildings 12 & 14 Complexes Demo Plan



Buildings 12 & 14 Complexes Demo Plan

- Building demolition debris to be consolidated in sub-surface vaults in Bldg 12 Complex
- Asbestos, liquids, hazardous materials, or universal wastes will be sent to licensed off-site disposal facility.
- Work anticipated in Summer/Fall 2023
- Restoration is not yet determined, but GE is consulting with City

Buildings 12 & 14 Complexes Demo Plan

- Groundwater monitoring wells required for post-construction
- Air monitoring will be conducted
- GE has already consolidated similar material in Bldg 12 vaults
- Cap will include a low-permeability liner and either asphalt, concrete, or vegetated topsoil
- The consolidation vaults will be sealed
- Prohibited materials and material that do not fit will be disposed off site

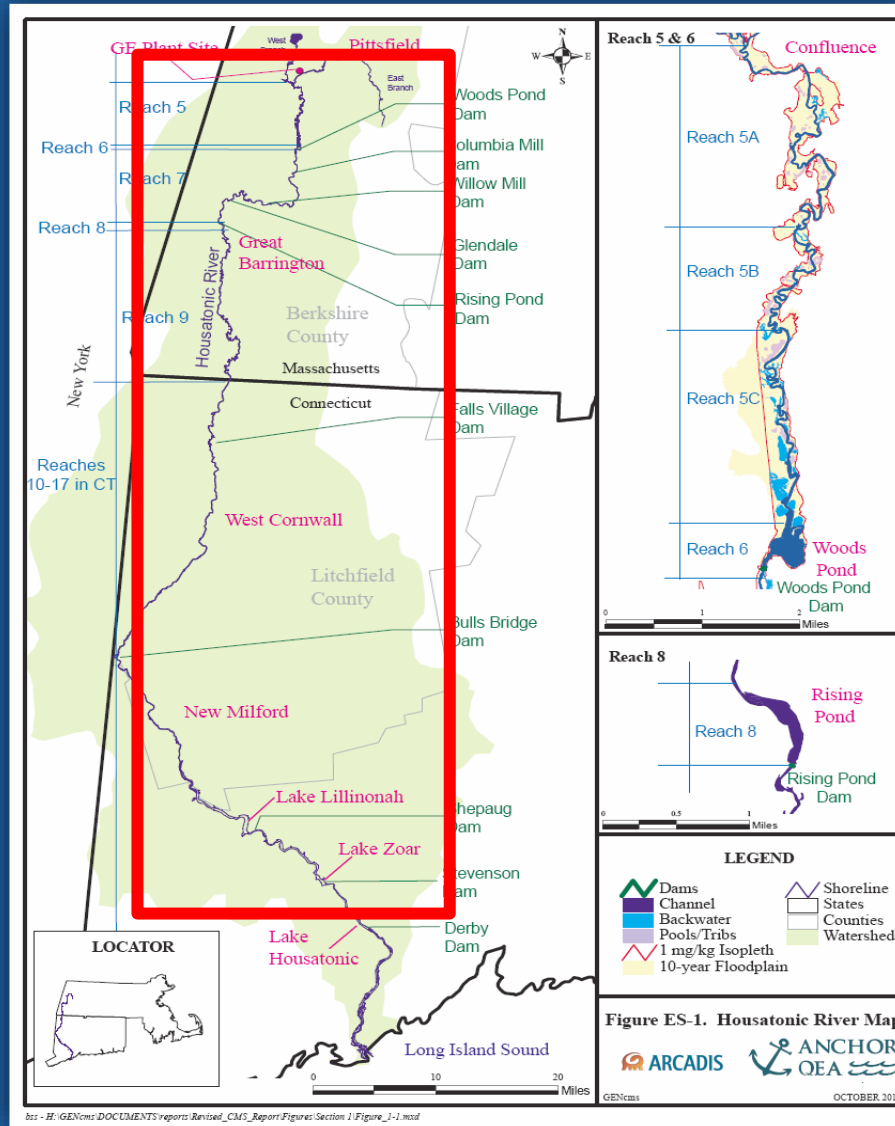
Overview of Rest of River Clean-up: When and Where

- Final Cleanup Permit Issued in 2020
- 2-3 years to design remedy; 13 years to implement
- Primary risks driving the remediation are:
 - Consumption of fish and waterfowl
 - Direct contact to certain floodplain soils in MA for an extended period of time
 - Risk to wildlife including mink, otter, osprey and amphibians

Rest of River Subject to the Permit

Reaches 5-9
Massachusetts

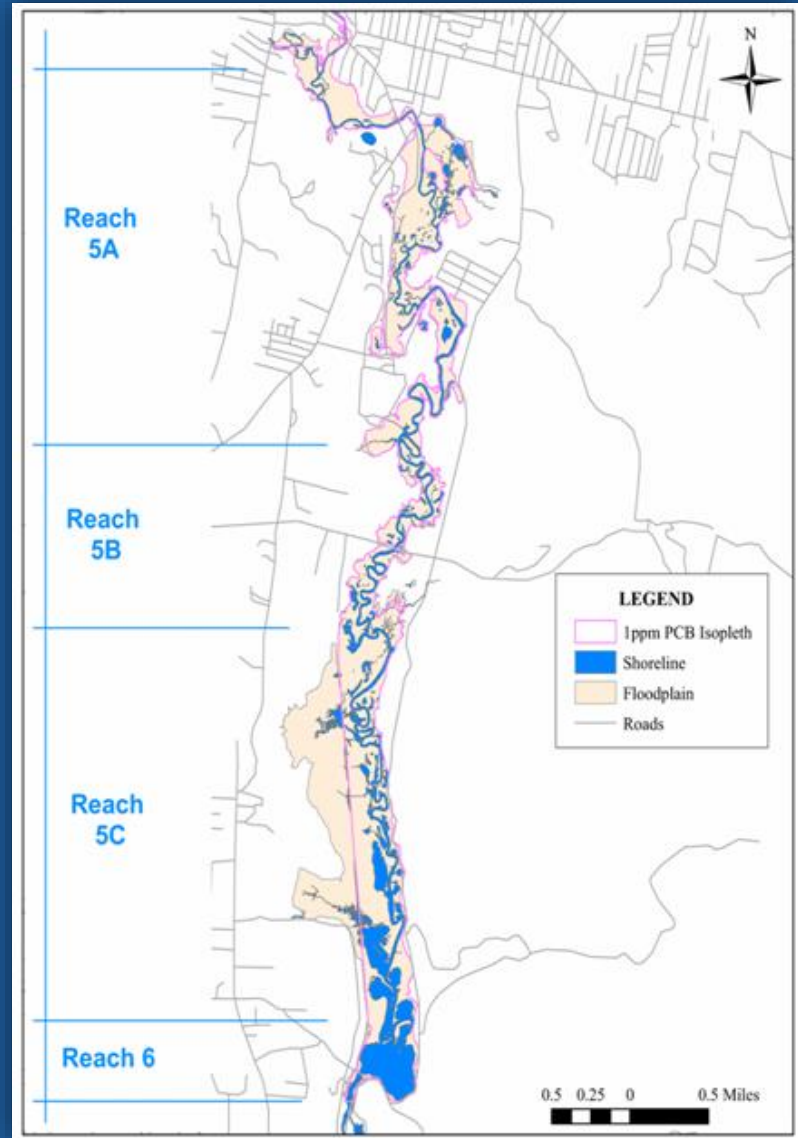
Reaches 10-16
Connecticut



**Active
Remediation in
Reaches 5, 6, 7
impoundments
(including
Columbia Mill,
Eagle Mill,
Willow Mill,
Glendale) and 8
(Rising Pond)**

Reach 5 Sub-Reach Designations

- Reach 5A is a five-mile river stretch in Pittsfield
- Reach 5B is a two-mile river stretch in Lenox
- Reach 5C is a three-mile stretch in Lee/Lenox
- Reach 6 is Woods Pond-Lee/Lenox



Reach 5A – Five Miles in Pittsfield



Sediment - 2-3 feet



Backwaters - 1 foot



Floodplain (including
vernal pools) – 1 foot

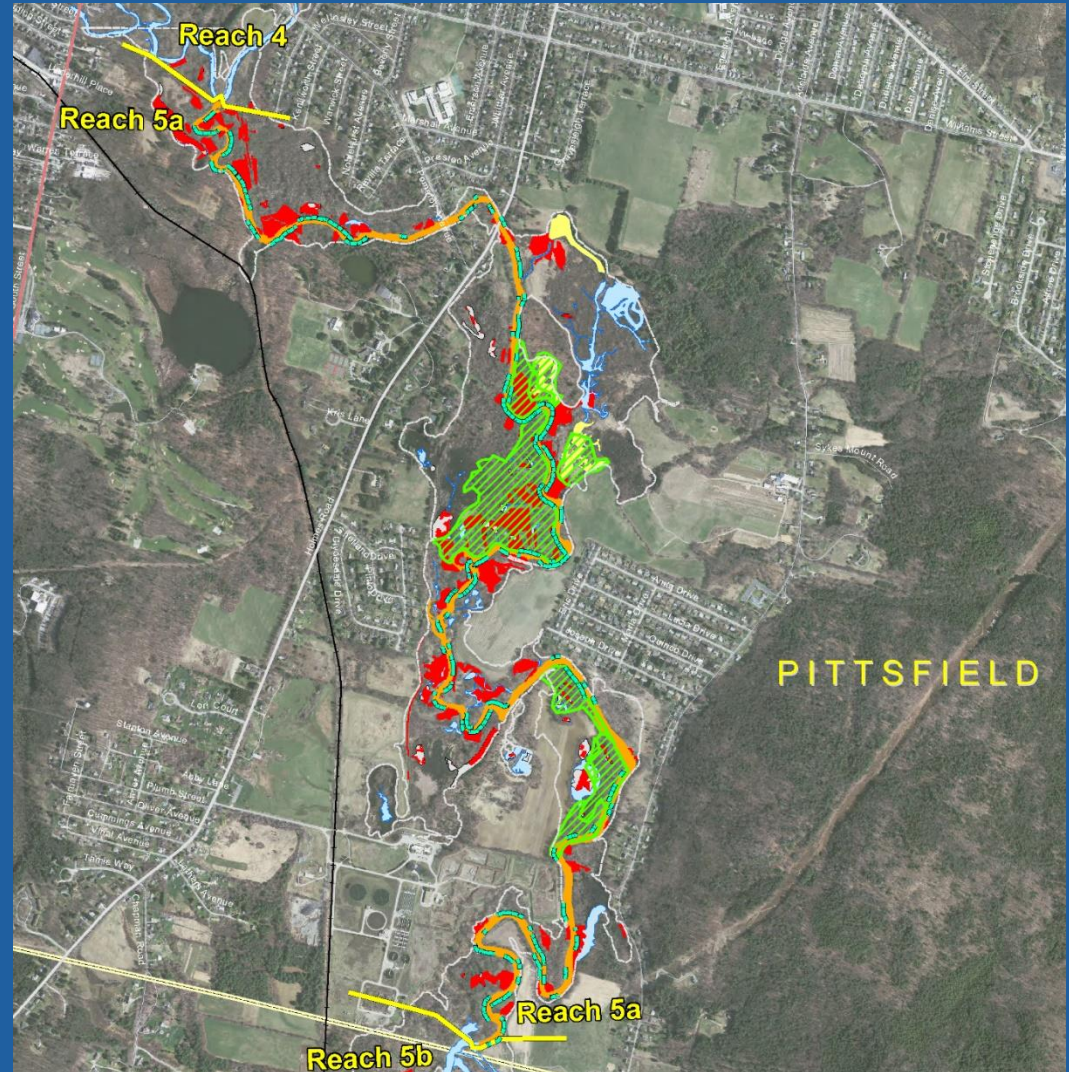


Erodible banks



Sensitive habitat

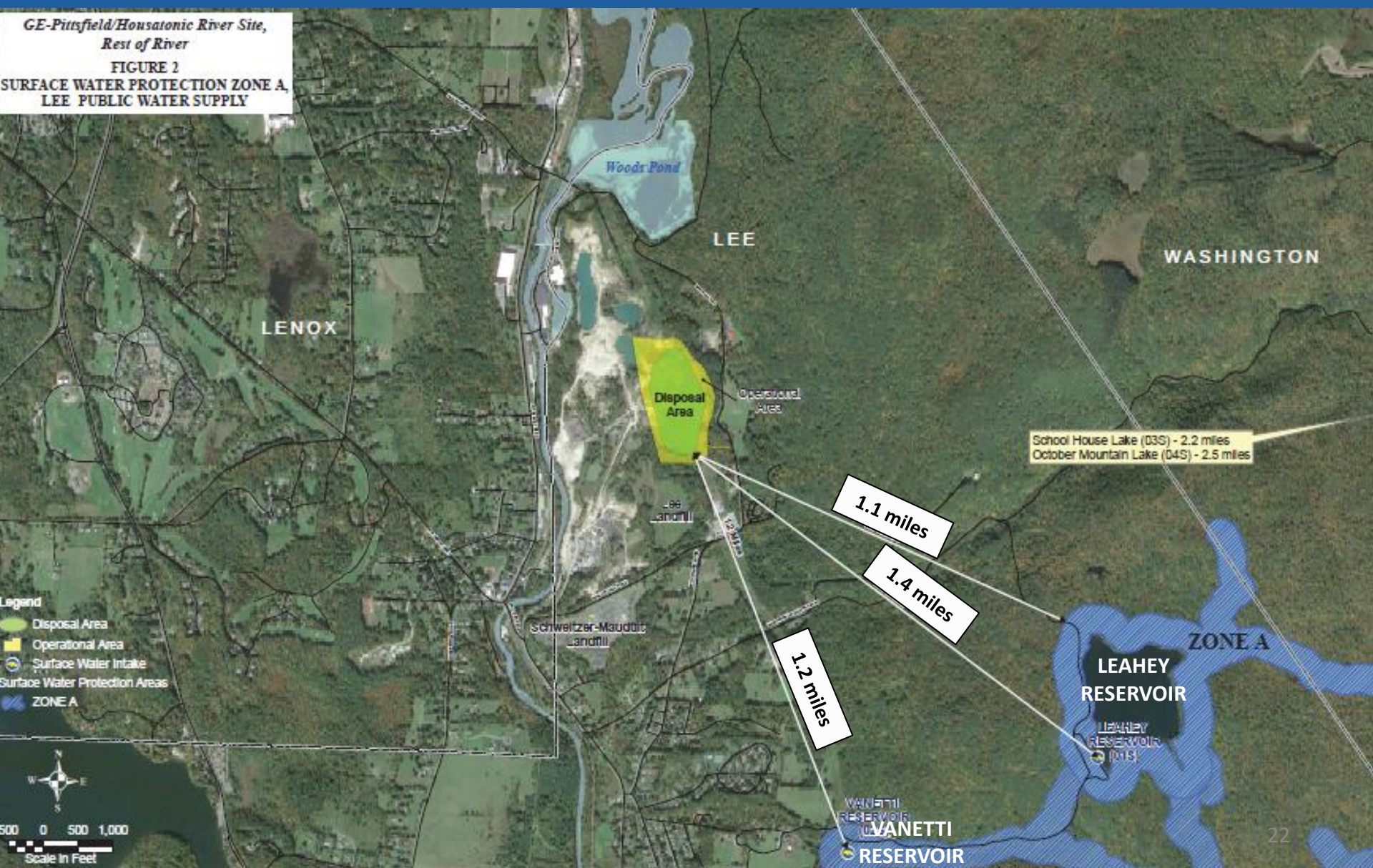
Final removal limits to be
determined during design



Upland Disposal Facility (UDF) Conceptual Design Plan & Interim Pre-Design Investigation (PDI) Data Summary Report

- Both submitted by GE on December 1, 2022
- Public input was open until February 13, 2023
- EPA approved with conditions on April 18, 2023
- The Conceptual Design includes general layout of UDF, and descriptions of liner and cap systems
- The Interim PDI Data Summary includes data collection results to support the ongoing UDF design effort

UDF Locational Map



UDF Interim PDI Data Summary Report

- Site Background and Historical data Summary
- PDI Data Summary and Evaluation
 - Habitat Assessment
 - Geotechnical Investigation
 - Soil Analytical Data
 - Groundwater Elevations
 - Groundwater Analytical Data
 - Cultural Resource Assessment

UDF Interim PDI Data Summary Report

- Groundwater quality: PFAS detected above DEP MCL levels in both on-site and background monitoring wells. MassDEP is investigating further
- Habitat assessment: wetlands delineated, and one vernal pool identified; no Federal or State listed plants or wildlife species identified; quarry pond State regulated and will likely require mitigation if impacted by design
- Cultural resources assessment: no artifacts or significant cultural resources identified

UDF Conceptual Design Plan

- Performance Standards
- Design Summary
 - Perimeter Berm and Baseline System
 - Final Cover System
 - Leachate Management
 - Surface Water Management
 - UDF Operations and Support Areas
- Measures to address habitat impacts
- Closure and post-closure activities

UDF Conceptual Design Plan Summary

- Preliminary UDF footprint is 13.2 acres as compared to permit required maximum of 20 acres
- Preliminary UDF peak elevation is 1,096 ft as compared to permit required maximum of 1,099 ft
- Preliminary distance above highest groundwater level is ~20 ft as compared to permit requirement of 15 feet

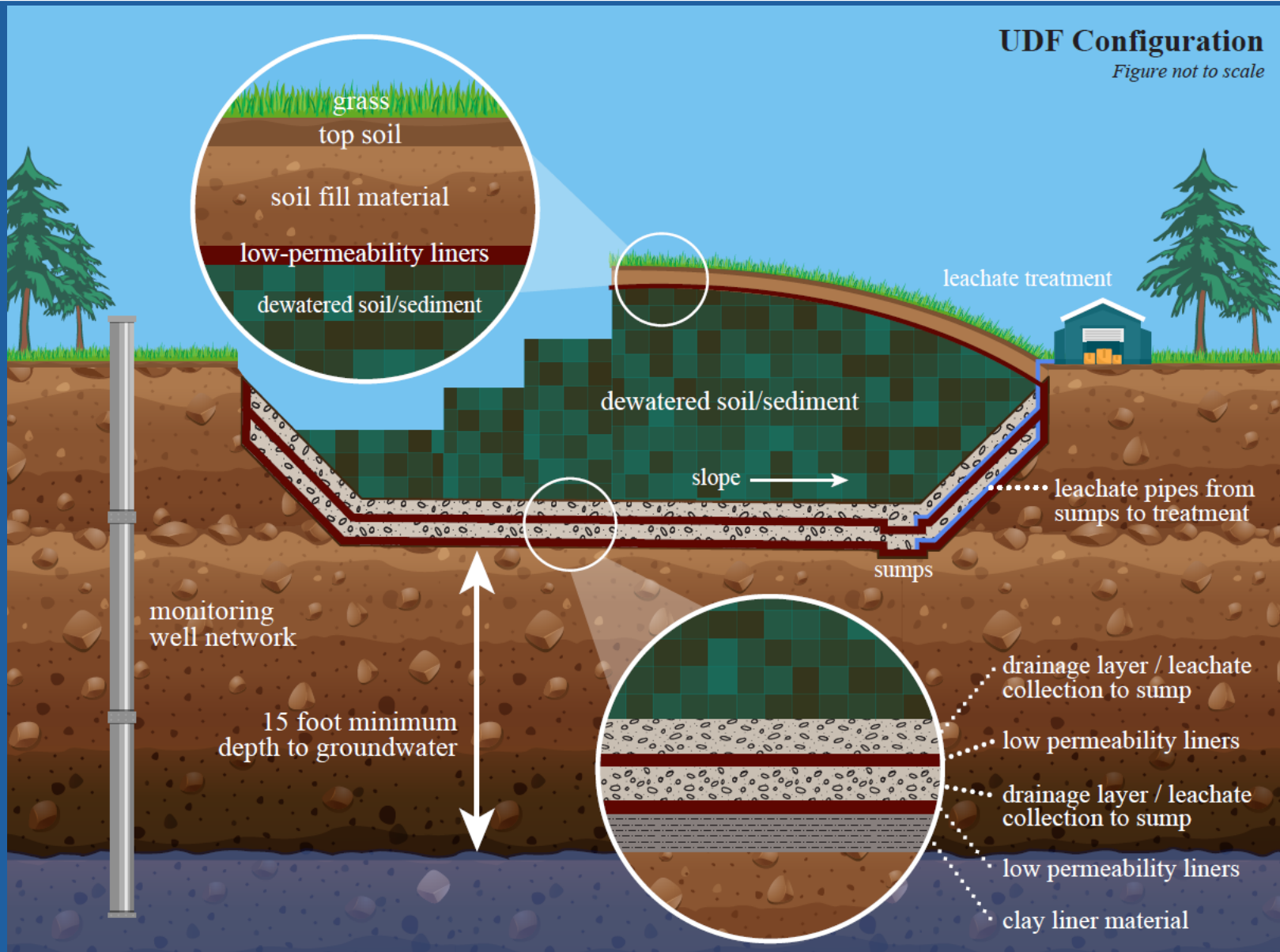
UDF Conceptual Design Plan Summary

- Final Cover System includes cap runoff controls:
 - Two low-permeability layers
 - Drainage layer
 - Vegetated topsoil
- Baseline System consists of five low-permeability layers interspersed with drainage layers
- Leachate Management
- Groundwater monitoring program in place to ensure effectiveness

UDF Conceptual Design Plan

UDF Configuration

Figure not to scale

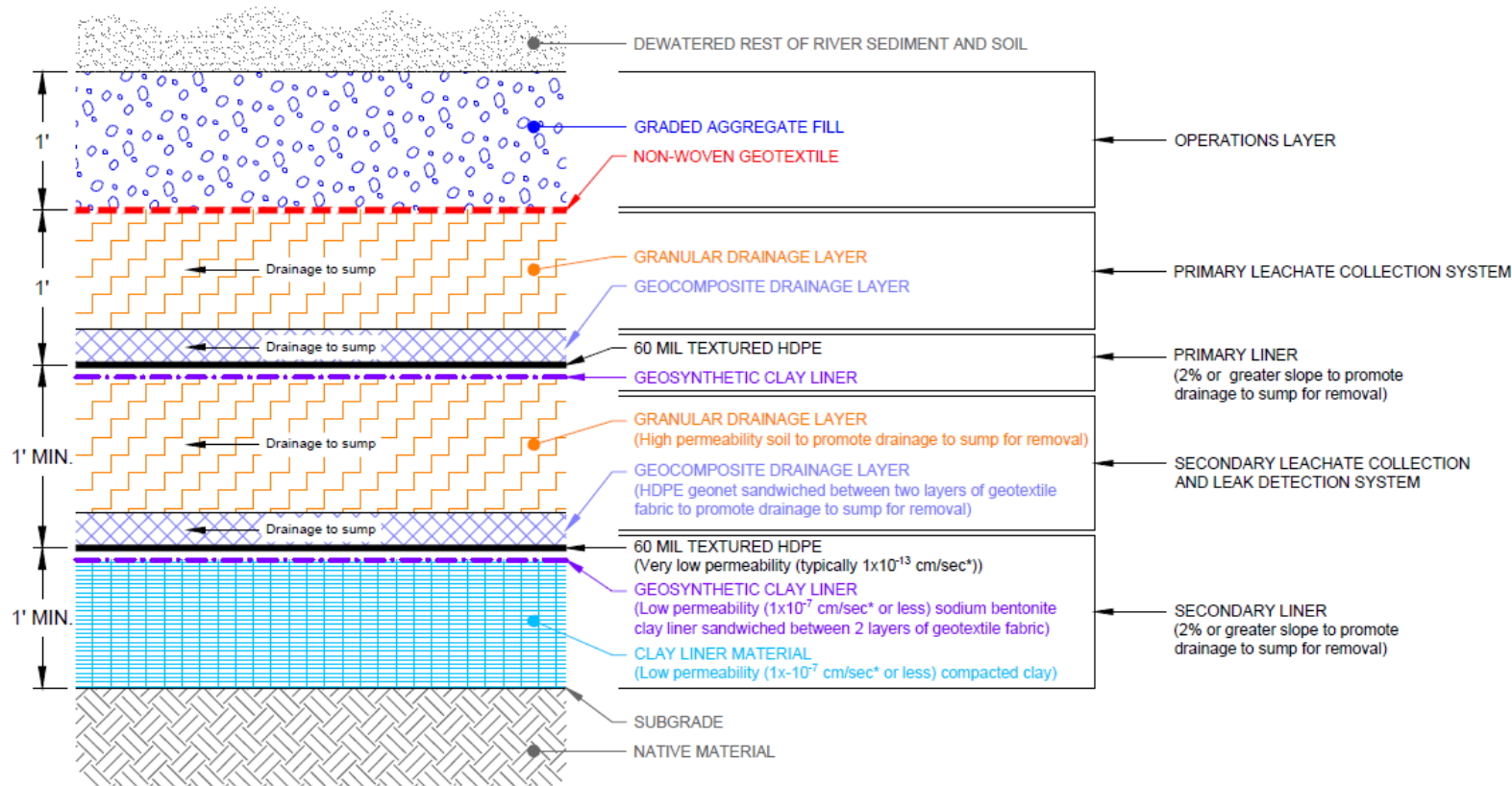


UDF Conceptual Design Plan

FLOOR BASE LINER SYSTEM

NOT TO SCALE

Adapted from GE's UDF Conceptual Design Plan dated December 6, 2022



* 1×10^{-13} cm/sec = 0.0000000000001 centimeters per second permeability
 * 1×10^{-7} cm/sec = 0.0000001 centimeters per second permeability

Applicable Revised Permit Performance Standards

II.B.5.a.2.(c) - The Upland Disposal Facility shall consist of a double bottom liner, separated by a drainage layer, and shall incorporate primary and secondary leachate collection systems.

II.B.5.a.2.(f) - Liners (bottom liners and cap liners) shall have a permeability equal to less than 1×10^{-7} cm/sec*, a minimum thickness of 30 mils and be chemically compatible with PCBs.

UDF – Upcoming Submittals and Activities

- Fence installation: June 2023
- Final PDI Report: August/September 2023
 - Seasonal high groundwater elevation methodology
 - Additional data collected to support next design iteration
- Final Design: late 2023/early 2024
 - Subject to public input and EPA approval
 - Incorporates additional PDI data collection and EPA direction

Current Documents with Public Input Periods

Document	Date from GE	Input Due Date
2022 Annual Report on Biota Consumption Advisory Outreach Activities for Housatonic Rest of River in Connecticut	Feb. 28, 2023	June 5, 2023
2022 Annual Report on Biota Consumption Advisory Outreach Activities for Housatonic Rest of River in Massachusetts	Feb. 28, 2023	June 5, 2023

Provide Input to R1Housatonic@epa.gov

Upcoming Rest of River Documents for Input

Document	Date Due from GE
Vernal Pool Pilot Study Work Plan	June 8, 2022
Reach 5A Floodplain Non-Residential Pre-Design Investigation Summary Report	August 2023
Baseline Restoration Assessment on Reach 5A	August 2023
Restoration Performance Objectives and Evaluation Criteria Report	August 2023
Final UDF Pre-Design Investigation Report	Aug/Sept 2023
PDI Summary Report for Reach 5A Sediments & Banks	September 2023
Conceptual RD/RA Work Plan for Reach 5A	September 2023

Upcoming Rest of River Documents for Input

Document	Date Due from GE
Phase IB Cultural Resources Survey Work Plan for Reach 5A	September 2023
Off-Site and On-Site Transportation and Disposal Plan	October 2023
Adaptive Management Plan	November 2023
Quality of Life Compliance Plan	December 2023
Updated Project Operations Plan	January 2024
Final UDF Design	Late 2023/Early 2024

How to Provide Input on SOW Documents

Documents available on EPA web page at:

<https://www.epa.gov/ge-housatonic/opportunities-input-housatonic-rest-river-permit-submittals>

GE Site & River Cleanup





- [Why cleanup the GE Site and the Housatonic River?](#)
- [What progress has been made?](#)
- [How much longer will the total cleanup take?](#)

Understanding PCBs



- [Fast Facts: Housatonic River PCBs](#)
- [How do PCBs get into the environment?](#)
- [How do PCBs get into plants and animals?](#)
- [Wildlife and Human Health Effects from PCBs](#)

Stay Updated!

- [Opportunities for Input on Housatonic Rest of River Permit Submittals](#)
- [Follow the Housatonic Cleanup on Facebook](#) 
- [Newsroom](#)
- [Public Comment, Meetings and Events](#)
 - [Public Comments and Hearing Transcripts on Draft Revised 2020 Permit](#)
- [Contact Us](#) 



Provide Input to R1Housatonic@epa.gov

Public Input Received


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Submittals with closed input periods:

[Revised Floodplain Pre-Design Investigation Work Plan \(including Vernal Pools\), Reach 5A: Received from GE June 25, 2021 \(pdf\)](#) (17 MB)

Input period ended on August 16, 2021.

- [Public comments on submittal \(pdf\)](#) (1.1 MB)

[Revised Statement of Work: Received from GE July 12, 2021 \(pdf\)](#) (13.8 MB)

Input period ended on August 31, 2021.

- [Public comments on submittal \(pdf\)](#) (900 K)

[Revised Biota Consumption Advisory Outreach Plan for Housatonic Rest of River - Connecticut: Received from GE on August 9, 2021 \(pdf\)](#) (5.1 MB)

Input period ended on November 18, 2021.

- [Public comments on submittal \(pdf\)](#) (690 K)

EPA Website Update

EPA Cleanups: GE-Pittsfield/Housatonic River Site

CCC meeting
July 27, 2022 CT CCC Subcommittee Meeting

- Agenda (pdf) (625 K)
- Presentation Slides - EPA Region 1 (pdf) (1.8 MB)
- Presentation Slides - CTDEEP (pdf) (1.8 MB)

GE Site & River Cleanup

- Why cleanup the GE Site and the Housatonic River?
- What progress has been made?
- How much longer will the total cleanup take?

Understanding PCBs

- Fast Facts: Housatonic River PCBs
- How do PCBs get into the environment?
- How do PCBs get into plants and animals?
- Wildlife and Human Health Effects from PCBs
- Understanding the Housatonic Rest of River and Floodplain Risk Assessment

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Popular Documents and Resources

All Publicly Available Documents

What's New in the Repositories

Rest of River Draft Revised 2020 Permit (Proposed Remedial)

Documentation And Public Comment

Massachusetts & Connecticut Department of Public Health ROR Biota Consumption Advisories

- DPH Main Page for Fish Consumption Advisories
- Housatonic River Advisory Fast Sheet (English) (pdf) (796 K)
- Housatonic River Advisory

Cleanup Areas in Focus

- Allendale School
- Floodplain Properties
- Former Filled Oxbows
- Housatonic River 1/2 Mile Removal
- Housatonic River 1 1/2 Mile
- GE Plant Area
- Groundwater
- On-Plant Consolidation Areas
- Silver Lake
- Sitewide Documents
- Sitewide Maps and Figures

Rest of River

- Rest of River Overview
- Statement of Work/ Overall Strategy and Schedule
- Dam Inspections and Related Documents
- Biota Consumption Advisories
- Upland Disposal Facility
- Reach 5A Sampling and Assessment Documents
- Baseline Monitoring Plan
- Rest of River Site Wide Documents
- Rest of River QAPPs/SOPs/HASEPs
- Appeals & Related Documents
- Reach 6/Woods Pond Sampling and Remedial Action

Cleanup Areas in Focus

- [Allendale School](#)
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- [Former Filled Oxbows](#)
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<https://www.epa.gov/ge-housatonic>